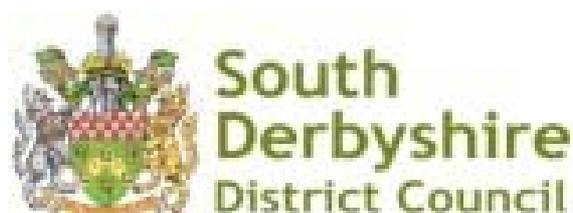


# South Derbyshire District Council

## Environmental Statement 2006 – 2008



**South Derbyshire District Council**

Civic Offices

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**Foreword from the Chief Executive and Leader of the Council**

South Derbyshire District Council is committed to preventing pollution to the environment and furthermore implementing environmental improvements. To this end we have sought to develop an environmental management system compliant with the Eco-Management and Audit Scheme (EMAS).

In the near future we aim to join the few authorities in the UK that have successfully implemented and been accredited to the prestigious European EMAS standard which will set us in a strong position to make further improvements across the Council.

Since the beginning of the journey towards EMAS accreditation which began in 2007 the Council has made huge leaps forward with regards to its legal compliance, enthusing its staff with an environmental awareness that informs all their activities and making changes to buildings that reduce both our resource consumption and our carbon dioxide emissions.

Clearly there is more that can be done, but with ongoing strong backing from elected members and senior management combined with adequate resources our EMAS system can deliver important change to our District.

The improvements that are already evident prove our commitment to the scheme and the accreditation to this flagship standard sends a message to the public about the high standards of care for the environment they can expect from the Council. The system will also secure improvements on climate change, deliver the Nottingham Declaration commitments and impact positively on local businesses.

Our long-term aim is be recognised as one of the best performing councils in the country with regards to environmental performance and we are convinced that this is precisely what our EMAS scheme will deliver.

**Frank McArdle and Heather Wheeler**

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## 1.0 **Introduction**

South Derbyshire District Council is implementing an Environmental Management System (EMS) to manage all activities and departments within the council and deliver improvements to service delivery, resource utilisation and business related issues such as travel and procurement.

The system being used to achieve these improvements is the Eco-Management and Audit Scheme known as EMAS, which incorporates accreditation to the ISO14000 series of environmental management. EMAS is a European Union scheme to manage all aspects of the business whilst the ISO14000 series is a global standard. EMAS has been chosen as the lead standard in this authority due to the requirement for open reporting and communication of progress and development.

The system is now live throughout the council and is beginning to make some real differences within the building, services and processes.

## 2.0 **Environmental Policy**

South Derbyshire District Council has identified that its activities across the district have both beneficial and negative impacts on the Environment. To deliver the corporate plan there of 'Cleaner, Greener, Safer, Healthier, Better' the council is committed to monitoring and improving environmental impacts across all activities.

The council are implementing an Environmental Management System under the framework provided by the Eco-Management and Audit Scheme (EMAS) to achieve this. This process will evaluate its operations, define its performance, identify scope for improvement and help develop targets and objectives to deliver continuous improvements in its management of environmental issues.

### **Through the implementation of EMAS the SDDC is committed to:**

- Comply with environmental legislation which govern our activities,
- Reduce our impact on identified activities on global environmental issues such as climate change, resource depletion, ecological damage, as well as on locally disruptive factors such as noise, traffic and maintenance.
- Minimise waste produced in all parts of the business,
- Help all employees to reduce, reuse or recycle office materials, manage energy and water efficiently, reduce council transport impacts and adopt practical environmental purchasing guidance and systems,
- Consider the environmental impact of built development, in line with the assessment criteria established in the South Derbyshire Local Plan and through the development of our Local Development Framework,
- Develop strategic partnerships with local, regional and national organisations to improve the management of environmental issues,
- Promote environmental awareness to South Derbyshire schools, businesses and communities and support environmental initiatives,
- Produce information about our performance to employees, contractors and the public through the production of an annual validated environmental statement.
- Gain accreditation to EMAS through external verification,
- Develop systems to implement and review this policy

To achieve this SDDC is committed to assigning appropriate levels of staff and financial resources to deliver the aims of the environmental policy.

This Environmental Policy has been agreed, signed and verified for implementation by: -

Frank McArdle



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**Chief Executive Officer****3.0 The Council and EMAS**

South Derbyshire District Council began looking into the management of their environmental performance in late 2005. Initially the focus was based around the issue of climate change particularly with regards to energy.

It was formally decided that the council as a body needed a more focused and sustained effort and management of environmental issues. In January 2007 it was announced that the council was going to work towards the EMAS standard with a view to achieving external accreditation. As part of this commitment to achieving the standard the council appointed a full time member of staff who was responsible for the implementation and ongoing management of the system.

Since this very early conceptual stage EMAS has become engrained across all departments. Each department has been reviewed, with key activities being risk rated, a legal register of environmental legislation compiled, a formal Environmental Policy had been drafted and adopted, targets and objectives have been defined for each department both on a departmental and corporate level each of which being assigned to a responsible person and being deadline defined.

The council is now proud to say that it now has an operation system, which is actively managed and targeted to attain continuous improvement across our activities.

#### **4.0 EMAS Scope and Organisation**

EMAS covers all departments of the Council to ensure that the management of environmental issues is undertaken at all levels and through all activities undertaken. This approach was decided upon to enable a consistent and unified focus on the issues identified during the reviews, which are manifested within the targets and objectives of the scheme. EMAS affects all employees from junior to senior staff members and is targeted as a key issue within the Corporate Plan, which drives the Council's performance and direction as detailed in Section 3.8 Combating Climate Change under Higher Quality Services.

Heads of Service, the Directorship and the Chief Executive Officer support the implementation of EMAS, which is a major contributing factor to the success of the system.

The departments included within the scope of the scheme are; Pollution Control, Commercial and Licensing, Private Sector Housing, Human Resources, Customer Services, Finance, Legal Services, Leisure Services, Partnership Development, Waste and Cleansing, Housing, Development Control, Building Control, Policy, and Procurement.

The geographical scope of the scheme includes the Civic Offices, Darklands Depot, Greenbank Leisure Centre and Rosliston Forestry Centre.

The scheme will also affect the companies, which we do business with due to new ways in which we tender and appoint contractors, and other professional services.

## 5.0 Summary of Environmental Aspects

The findings detailed show the priority assigned to each activity across SDDC. The activities documented are selectively targeted either departmentally or corporately. Each target and objective is lead by the specialist in the area concerned (e.g. car allowances and mileage by Fleet Manager, but to involve all staff). The aim is to reduce the risk level from it current level and increase the benefit level from the current position where possible.

High Risk	Moderate to High Risk	Moderate Risk	Low to Moderate Risk	Low Risk
Discharge of Water from the Depot and leisure centre	Office Energy Usage	Water Usage Offices and District	Paper Usage	Provision of private home improvement
	Water Usage in Leisure and Housing Improvement and Repair	Planning Decisions on Greenfield Sites	Disposal of building waste	Enforcement of private housing regulations
	Vehicle Use for Business Activities	Storage of Chemicals at the Depot (housing and waste and cleansing)	Hardware Disposal	General waste kerbside collections
		Storage of chemical at the depot and across the district (leisure)	Use of chemicals on land	
		Rosliston Forestry Centre energy use	Management of Leisure facilities	
		Water usage at Rosliston Forestry Centre	Corporate Procurement (current)	
		Chemical Storage and oil at Rosliston Forestry Centre		
		Depot operations management and general site upkeep and storage.		

Moderate to High Benefit	Moderate Benefit	Low to Moderate Benefit	Low Benefit	Negligible
Upkeep of park and play areas	Enforcement of Development Control	Advice service for Building Regulations	Enforcement of Building Regulations	Food Inspection work
Education of primary School Children at school and Forestry Centre	Building cleaning and maintenance	Energy and efficiency advise (Building Control)	Disposal of animal carcasses	Planning decisions for Brownfield
Development of the LDF	Printer toner recycling	Asbestos site works management		Clean team activities

Conservation and heritage preservation	Wood burner at Rosliston Forestry Centre for energy	WEEE Procedures		SDDC internal office recycling
IPPC Licensing	Management of Corporate partnerships for ongoing development and improvement	Contract management of leisure centres		Bulk kerbside collections
Contaminated Land Enforcement	Drainage investigations and remedy	Conservation of green space, and heritage with planning and policy		Street sweeping and cleaning
Provision of energy efficiency advise and handouts across district from Private sector housing	Pest Control			
Developing green and sustainable, and centralised procurement practises	Anti-social behaviour wardens			
	Bonfire management and enforcement			
	Dust, odour, noise, visual and light nuisance enforcement work			
	Implementation as mandatory of green procurement (ongoing)			
	District wide kerbside recycling program			
	Fleet Management and Procurement			

## 6.0 Corporate Targets and Objectives

On the basis of the reviews undertaken of the SDDC's activities departmental and corporate targets and objectives have been compiled to tackle, measure and monitor key areas of the business.

The corporate targets and objectives deal with the key issues undertaken across the council, which are more likely to be fundamental to the successful delivery of our services.

These targets and objectives are centred around the corporate themes detailed on the 2007-2010 Corporate Plan of: -

<p><b>Theme 1: Safer and Healthier Communities</b> covers crime and disorder, anti social behaviour, support for vulnerable people, activities for young people and health promotion</p>
<p><b>Theme 2: You at the Centre</b> community consultation, sustainable communities, recycling &amp; composting, environmental improvement and recreation &amp; leisure</p>
<p><b>Theme 3: Higher Quality Services</b> improvements in the quality and efficiency of our services</p>
<p><b>Theme 4: Prosperity for All</b> social exclusion, housing needs and economic regeneration</p>
<p><b>Theme 5: Rural South Derbyshire</b> meeting the needs of rural communities</p>
<p><b>Theme 6: Stronger in the Region</b> the Council's community leadership role, planning policies, support for The National Forest and the Community Strategy</p>

The corporate targets and objectives are detailed below, with the departmental targets and objectives available on request.

<b>Task Ref.</b>	<b>Objective and Target</b>	<b>Timescale (month and year)</b>	<b>Indicator (i.e. reduce X by 50%)</b>	<b>Monitoring and Measurement (How and Where)</b>	<b>Responsibility</b>
<b>1</b>	Define the future of the council buildings namely civic offices, leisure centre and depot.	July 2008	A formal decision is made as to the projected timescale/life span of the buildings	Decision made and documented	Mark Alflat
<b>2</b>	Centralise mainstream procurement for day-to-day products of all departments and ensure that adherence to the green procurement guide becomes compulsory and monitoring system established.	September 2008	All purchasing is done through a centralised system for day to day products from a set supplier list of items	Monitored through use of the system, expenditure and supply.	All heads of service, and procurement manager
<b>3</b>	Develop and formalise a new tendering procedure to consider the environmental impacts and management of our suppliers and contractors	December 2008	Tendering programme produced	Tenders issued according to programme.  Use of new procedure throughout the council	Jessica Fagan  Heads of Service
<b>4</b>	Assess the scope for fuel and water efficiency improvements on Council premises and formulate a list of options including costs, benefits and payback.	June 2008 and on going	Issues identified for improvement and quotations obtained for work	Quotations received and funds applied for where necessary, and works implemented	Simon Mortimer and relevant departmental / service managers
<b>5</b>	Design the contract leisure centre extension to ensure the contractors managing the leisure centre to deliver the Councils environmental management objectives.	End of March 2008	Working towards standard. Include in negotiations with SLM	Energy conservation report and schedule of works agreed with environmental improvements incorporated.	Chris Mason
<b>6</b>	Implement a review of the car vehicles allowance and mileage rate	September 2008	Reduce estimated CO2 emissions in 2007/08 by 10% in the long term from	Estimate CO2 emissions from car mileage claims from	David Clamp, managers and EMAS

	to reflect the engine size and CO2 emissions to manage our carbon footprint on district		2009/10 onwards.	2007/08 onwards and propose a revised system of mileage and car allowance rates with other managers, directors and EMAS manager	Officer
<b>7</b>	Examine further options for improved energy efficiency of Corporate Buildings and develop a prioritised list of options.	31 <sup>st</sup> March 2008	List of options produced with costs and benefits enumerated.	Decisions made as to which options to be implemented.	Stuart Manning
<b>8</b>	Develop procedures to manage the delivery of all activities, which have a profound impact on the environment.	November 2007	All procedures developed and documented	Staff aware of procedures and placed at an accessible point within the IT system and intranet.	Departmental Managers and EMAS Officer
<b>9</b>	Immediately implement a drive to reduce energy consumption in the workplace through improved practices.	End of December 2007  Ongoing	Posters, and stickers posted around the depot and email to all staff reminding of responsibilities  From baseline spot checks improve time on time on office power downs	Visual marketing of energy awareness in the office and documented staff reminders  SMO to undertake random checks at end of the day to check and record performance	Departmental and Service Managers  Simon Mortimer
<b>10</b>	Develop a program for the introduction of paperless or electronic filing systems	March 2010	Year on year reduction in paper used by the council.	Quantity of paper purchased reduced.	Head of IT and Customer Services through the Business Improvement Team
<b>11</b>	Establish if we have a Consent for our discharge to Darklands Brook	December 2007	Position to be determined.	Discharge Consent approved and received	Simon Mortimer

<b>12</b>	Ensure comprehensive environmental awareness for all SDDC staff. Via induction and annual refresher training.	March 2008	EMAS Officer to attend an awareness day to gain material	Training material obtained	Simon Mortimer
		May 2008 and annually	Prepare and present awareness training over a week (mornings) on an annual basis	Training presented and recorded.	Simon Mortimer
		March 2008	Develop EMAS induction module	Induction checklist	David Clamp



## 7.0 **Climate Change and Energy**

Climate change being caused by atmospheric pollution is affecting us all and will continue to do so until the emissions of greenhouse gases such as carbon dioxide and methane are reduced. SDDC are committed to tackling the issues of climate change by managing and encouraging better business processes.

SDDC Carbon Footprint has been calculated to be 1246 tonnes of Carbon Dioxide per year; the majority of this arises from electricity consumption, but a significant proportion is due to staff commute miles to and from work. A summary table of our carbon footprint is detailed below: -

<b><u>Source</u></b>	<b><u>Carbon Total (tonnes)</u></b>
Electricity	599
Gas	275
Water	6
Business miles diesel	1
Business miles petrol	26
Commute	119.29
Diesel - fleet	50
Petrol - Fleet	10
Business Flights	0.24
Business Rail	1
Business Waste	158
<b>Total</b>	<b>1246</b>

It is likely that these figures will be revised in the coming year based on more accurate data particularly relating to vehicles and renewed utility information.

### **Our Progress**

- 1) SDDC have signed up to the Nottingham Declaration making a commitment to addressing climate change and mobilising action in the local community
- 2) We have undertaken reviews of the Civic Offices, Depot, Greenbank Leisure Centre and Rosliston Forestry Centre and are investing and reviewing opportunities to reduce and manage our energy consumption.
- 3) Energy contract that run out this year are being reviewed with a view to incorporate the employment of renewable energy.

- 
- 4) The council buildings detailed above are being regularly audited with regards to energy usage during out of hour's periods to further improve performance.

**Moving into the Future we will...**

- ✓ Install timer switches on equipment that is communal to ensure nighttime, weekend and public holiday shutdown.
- ✓ Continue to monitor, record and report our internal energy usage across the council to promote good practise, and look at technologies that can reduce the likelihood of errors.
- ✓ Seek to use renewable sources of energy where possible and retro fit efficiency technology to our infrastructure where feasible and practicable.
- ✓ Drive forward the review of vehicle usage for council activities to encourage lower emission vehicles and more efficient forms of travel.

## 8.0 **Air Quality**

Local air pollution is the source of numerous human health conditions such as asthma and bronchitis as well as contributing to other conditions such as stroke and heart disease. As a district we are generally living and working in relatively rural areas where air quality is of a good standard. However improvements could be made with the main contributors being cars, vans, lorries, motorcycle, burning of materials and coal fires.

The local air quality of the district is monitored to ensure compliance with national standards. The latest update report from April 2007 indicates that no Nitrogen Dioxide (NO<sub>2</sub>) levels within South Derbyshire are at risk of exceeding the Air Quality Objectives as set out in the *Air Quality Strategy for England, Scotland, Wales and Northern Ireland*, published in January 2000.

Furthermore the council manages permits for industrial emissions under The Pollution Prevention and Control (England and Wales) Regulations 2000. The council manages one Part A2 process, which covers emissions to air, water and land, and a further 33 Part B processes which cover emissions to air. These permits and related activities are regularly inspected and reviewed by pollution officers.

### **Our Progress**

1. The emissions of our fleet vehicles are considered during purchasing but are generally considered due to the financial benefits of lower emission vehicles.
2. We have installed cycle storage at the Civic Offices to encourage people to cycle to work in the knowledge that their bicycle will be safe.
3. Manage smokeless zones and bonfires through the enforcement powers of the pollution team in the Environmental Health Department.
4. Attempts are made to car share when out on district.

### **Moving into the Future we will...**

- ✓ Continue our enforcement role.
- ✓ Encourage more focus on the environmental performance of fleet vehicles
- ✓ Encourage staff that use their cars to purchase cars with lower emissions

## 9.0 **Built Environment**

The built environment affects us all and put additional strain on resources. New development and restoration of existing buildings is vital to the progression and development of the district. However careful consideration as the affects of development need to be considered; for example, how to heat and light a building, where to put them and what materials are used are all important as getting these things wrong often leads to excessive resource usage, pollution and expense. In addition grants and funding is available to provide warmth, disabled facilities and decent homes through Private Sector Housing.

### **Disabled Facilities Grants**

#### **Type of works**

The majority of our disabled facilities grants are to provide level access showers and stair lifts. In some circumstances, facilities are required on the ground floor and an extension may be required where conversion of existing space is not possible. Other examples include providing a ramp for access to the property and change of heating from coal to gas or electric. These grants are means tested (unless for a child) and grant maximum is £30k.

<b>Council property adaptations</b>	<b>Number of grants</b>	<b>Total spend</b>
2006/07	98	£419,685
2007/08	65	£266,900
2008/09 (up to 30/09/08)	47	£193,069
<b>Private Sector adaptations</b>		
2006/07	121	£619,614
2007/08	118	£657,400
2008/09 (up to 30/09/08)	55	£286,200

### **Renovation / Empty property grants**

#### **Type of works**

Renovation grants are a means tested grant (to a limit of £20k) provided for properties requiring renovation works such as re-roofing, damp-proof course, electrical re-wire, heating, windows, doors, bathroom, kitchen etc.

Empty property grants are a 50% grant (to a limit of £15k) provided to help bring problem empty properties back into use, either for the owner to occupy themselves or to rent out. Works are similar to those covered by renovation grants

NB: Following a change in our Private Sector Housing Renewal Policy, we no longer issue these types of grants.

	<b>Number of grants</b>	<b>Total spend</b>
2006/07	16	£242,860
2007/08	11	£105,442

### **Home Repair Assistance, Decent Homes, Healthy & Warm Grants**

#### **Type of works**

Home Repair Assistance grants are delivered on our behalf by Walbrook Property Services (now Spirita) and are intended to help vulnerable people to 'stay put' by paying for minor repairs to their properties. Examples include guttering, windows, doors, electrical upgrades etc. People are eligible if they are either over 60 or disabled and are receiving an income related benefit.

Decent Homes grants are available to people receiving a wider range of benefits and whose homes fail the 'decent homes' standard. This can be for a variety of reasons including outdated kitchens & bathrooms, rising damp, old electrics or insufficient heating. Decent homes grants are available to fund repairs to make the property 'decent' in accordance with The Decent Homes Standard.

Healthy & Warm grants are for people in fuel poverty or vulnerable people on benefits and are to provide heating and insulation to their homes.

	<b>Number of grants</b>	<b>Total spend</b>
2006/07	49 Home Repair 10 Decent Home 31 Healthy & Warm	£275,238
2007/08	13 Home Repair 38 Decent Home 6 Healthy & Warm	£234,904
2008/09 (upto 30/09/08)	2 Home Repair 34 Decent Home	£43,734

As with Renovation grants, this type of grant assistance is no longer available and has been superseded by "Home Repair Plus" grants;

### **Home Repair Plus Grants**

#### **Type of works**

Home Repair Plus grants are delivered either on our behalf by Spirita Property Services (formerly Walbrook Care and Repair) or by our own officers and are intended to help vulnerable people to maintain their properties to a decent standard.

Examples include electrical upgrades, heating, damp proof courses etc. People are eligible if they are either over 60 or disabled and are receiving an income related benefit.

	<b>Number of grants</b>	<b>Total spend</b>
2008/09 (up to 30/09/08)	3	£21,008

### **Our Progress**

1. SDDC are developing a Local Development Framework to promote better building on district.
2. SDDC are retrofitting various energy and resource saving devices to their buildings to reduce pollution, resource usage and on going expense.
3. SDDC is building the new Etwall Leisure Centre and is installing numerous energy efficiencies to ensure that whilst providing a public service it is mindful of it environmental impacts.
4. Through grants, funding and enforcement private sector housing are working to improve the efficiency of our housing stock in accordance with The Fitness Standards and the Decent Homes Standards.

### **Moving into the Future we will...**

- ✓ Continue our enforcement, grants and funding role through private sector housing.
- ✓ Encourage more focus on the environmental performance of developments on district using the LDF and encourage sustainable development through our planning function.
- ✓ Continue to explore technologies and options to retro fit to our old buildings to make them more efficient.

## 10.0 **Noise**

Noise for many people can be a major problem with on person's party or business activity being somebody else's worst nightmare. Everyone has different noise toleration making the subject of noise management, enforcement and abatement a emotive and subjective area. Noise pollution is generally covered through the pollution team where a team of officers take, investigate and take action against various noise complaints, including an out of hours service which is not managed as a 24 hour call out service but by appointment or as part of an investigation. Below is a summary of the issues dealt with that impact on noise within Environmental Health – Pollution Department.

<b>Year</b>	<b>Noise Complaints</b>	<b>Planning Applications</b>	<b>Total</b>
01/04/04-01/04/05	334	280	614
01/04/05-01/04/06	300	210	410
01/04/06-01/04/07	396	245	641
01/04/07-27/09/08	362	224	586

### **Our Progress**

1. SDDC provide a nuisance out of hour service, predominantly dealing with noise complaints.
2. SDDC provide and enforcement service to manage and abate noisy premises or activities.
3. SDDC provide advice and guidance on noise to the public, businesses and through the planning regime as necessary.

### **Moving into the Future we will...**

- ✓ Continue our enforcement work in conjunction with the police to provide a noise complaint investigation service.
- ✓ Continue to comment and advise planning services of potentially noisy developments to incorporate abatement technology.

## 11.0 Purchasing of Goods and Services

As a business SDDC purchases a wide range of services and goods from different companies across the country to support the delivery of our services. The equipment, materials and services that we procure have significant impacts on the environment both up and down the production process. To control the products and services we procure is to control our wider indirect environmental impacts.

Below is the utility data for Greenbank Leisure Centre, the Civic Offices and Darklands Depot from which improvements are scheduled to be made.

### Greenbank Leisure Centre Electricity

2006	2007	
KWH's	KWH's	06/07 +/-
52643	55800	3157
52643	30493	-22150
55648	55245	-403
55648	53930	-1718
56497	55229	-1268
55890	54503	-1387
55173	57166	1993
53701	57460	3759
52709	54927	2218
56651	56492	-159
53190	54059	869
51108	53427	2319
<b>651501</b>	<b>638731</b>	<b>-12770</b>

### Greenbank Leisure Centre Gas

2006	2007	
KWH's	KWH's	06/07 +/-
156602	250400	93798
172683	179635	6952
201195	206891	5696
150773	139316	-11457
119362	122372	3010
2566933	117736	-2449197
57777	0	-57777
64908	167898	102990
61000	100749	39749
120643	159959	39316
0	163988	163988
277426	239503	-37923
<b>3949302</b>	<b>1848447</b>	<b>-2100855</b>

### Darklands Depot Electricity

2006	2007	
KWH's	KWH's	06/07 +/-
24922	0	-24922
0	30214	30214
0	0	0
27372	10305	-17067
0	0	0
29917	0	-29917
0	0	0
15774	17447	1673
0	0	0
17466	14958	-2508
0		0
0		0
<b>115451</b>	<b>72924</b>	<b>-42527</b>

### Darklands Depot Gas

2006	2007	
KWH's	KWH's	06/07 +/-
62307	68,156	5849
63576	52,895	-10681
72989	69,200	-3789
0	31,549	31549
0	21,284	-
0	5,171	-
0	9,106	-
58441	4,718	-53723
3983	2,219	-1764
6656	20,358	13702
34632	51,738	-
29336	46,234	-
<b>331920</b>	<b>382628</b>	<b>50708</b>

### Darklands Depot Water

2005	2006		2007	
m3	m3	05/06 +/-	m3	06/07 +/-
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
162	0	-162	0	0
286	0	-286	0	0
0	3241	3241	1686	-1555
0	0	0	0	0
0	0	0	0	0
572	0	-572	529	529
0	0	0	0	0
0	0	0	0	0
0	0	0	433	433
<b>1020</b>	<b>3241</b>	<b>2221</b>	<b>2648</b>	<b>-593</b>

**Civic Offices Electricity**

2006	2007	
KWH's	KWH's	06/07 +/-
37978	38334	356
34882	33952	-930
38318	36564	-1754
33923	33732	-191
34940	36656	1716
0	34815	34815
37022	35791	-1231
36065	35923	-142
34392	33983	-409
38727	37735	-992
38988	36575	-2413
31924	32995	1071
<b>397159</b>	<b>427055</b>	<b>29896</b>

**Civic Offices Gas**

2006	2007	
KWH's	KWH's	06/07 +/-
95353	71223	-24130
81102	49948	-31154
93335	57269	-36066
68708	26934	-41774
23639	8567	-15072
2733	0	-2733
1230	0	-1230
0	0	0
5896	11354	5458
45585	31549	-14036
0	43623	43623
28641	36421	7780
<b>446222</b>	<b>336888</b>	<b>-109334</b>

**Civic Offices Water**

2005	2006		2007	
m3	m3	05/06 +/-	m3	06/07 +/-
0	0	0	0	0
0	0	0	0	0
0	1195	1195	977	-218
0	0	0	0	0
345	0	-345	0	0
0	0	0	368	368
0	0	0	0	0
0	0	0	0	0
440	0	-440	443	443
0	0	0	0	0
0	0	0	0	0
510	2503	1993	140	-2363
<b>1295</b>	<b>3698</b>	<b>2403</b>	<b>1928</b>	<b>-1770</b>

**Our Progress**

1. Produced a 'Green Procurement Guide' detailing commonly ordered products and what their alternatives are to ensure a lesser impact on the environment.
2. Appointed energy consultants to review supply and use of utilities to stream line our billing, usage and identify areas of concern and abnormal usage.
3. Purchase recycled paper for general office use.
4. Have upgraded our printers to network printers to replace the many small printers and are set to print double sided by default. This has increased energy efficiency, decreased the volume of print material required and should decrease paper usage.

**Moving into the Future we will...**

- ✓ Seek to purchase some of the council's energy from renewable sources.
- ✓ Seek to implement the Green Procurement Policy as mandatory.
- ✓ Introduce new tendering and contract arrangements for services and products to consider the environmental impacts of the product and the supplier.
- ✓ Continue to develop electronic systems to reduce the need for paper.
- ✓ Look to install new energy and utility monitoring systems.

## 12.0 **Waste and Recycling**

In the UK we dispose of over 400 million tonnes of rubbish each year; 60% of which is recyclable. Most of the waste generated goes to landfill sites, which are quickly filling up with the prospect of new site becoming few and far between. In 2006/2007 total of 40,138 tonnes of waste was recovered from the district including 1,945 tonnes from commercial waste, flytipping, gully emptying and white goods. Of that total 5,850 tonnes was recycled on the kerbside and 5,445 was composted through the brown bin collection comprising 28.15% of the total. Currently the council collects general waste, mixed glass, cans, clean aluminium foil, paper and textiles through the recycling bins on the kerbside and garden waste food and cardboard waste through the brown bins collections. The quantities of waste since 2004 are detailed below.

<b>Waste in Tonnes</b>	<b>2004/05</b>	<b>2005/06</b>	<b>2006/07</b>	<b>2007/08 (up to 16/10/08)</b>
Total Waste Disposal Estimate	32253	31225	30786	24815
Flytipped	487	350	335	260
Commercial Waste	1246	1263	1263	1243
Gully Waste	381	266	291	302
White Goods	48	54	54	38
Total Household Waste	39758	39368	40138	39592
Recycled (Kerbside)	4510	5192	5850	7068
Composting (Brown Bins)	5149	4883	5445	7709
% Household Waste Recycled	24.29	25.59	28.15	36.46
Households with Kerbside Collections	36053	36640	37070	37986
Collected waste per household (kg)	475	460	464	451

No data is currently available for internal recycling. A paper and card recycling system is however in place.

### **Our Progress**

1. The council has an internal recycling system, but no quantification of waste is possible at this time
2. There are well-established kerbside collections and district collections in existence.
3. A district wide recycling scheme is in place and showing improvements year on year.

4. A review current waste collections and recycling is underway to investigate potential improvements.

**Moving into the Future we will...**

- ✓ Continue to improve the percentage of waste recycled.
- ✓ Implement new internal systems for waste recycling and collecting.
- ✓ Make internal waste collections more transparent and reportable.
- ✓ Complete the review of district collections.
- ✓ Continue reducing and managing flytipped waste.

### 13.0 Water

In today's changing climate water resources are becoming more and more important with two fifths of the worlds population already facing water shortages. People in the developed countries use ten times more water than those in less developed countries placing greater strain on resources.

Our water consumption figures for our sites under our direct control are detailed below.

#### Darklands Depot Water

Month	2005	2006		2007	
	m3	m3	05/06 +/-	m3	06/07 +/-
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	162	0	-162	0	0
May	286	0	-286	0	0
June	0	3241	3241	1686	-1555
July	0	0	0	0	0
August	0	0	0	0	0
September	572	0	-572	529	529
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	433	433
	<b>1020</b>	<b>3241</b>	<b>2221</b>	<b>2648</b>	<b>-593</b>

#### Civic Offices Water

Month	2005	2006		2007	
	m3	m3	05/06 +/-	m3	06/07 +/-
January	0	0	0	0	0
February	0	0	0	0	0
March	0	1195	1195	977	-218
April	0	0	0	0	0
May	345	0	-345	0	0
June	0	0	0	368	368
July	0	0	0	0	0
August	0	0	0	0	0
September	440	0	-440	443	443
October	0	0	0	0	0
November	0	0	0	0	0
December	510	2503	1993	140	-2363
	<b>1295</b>	<b>3698</b>	<b>2403</b>	<b>1928</b>	<b>-1770</b>

#### Our Progress

1. The council is now actively managing their water consumption
2. All urinals in the Civic Offices are now waterless
3. Cistern bags are being installed to reduce the flushing volume of the toilets on each flush by 1 litre.

#### Moving into the Future we will...

- ✓ Continue to monitor water consumption.
- ✓ Investigate the use of groundwater for depot use for vehicle and yard washing.
- ✓ Investigate grey water recycling water used.

- 
- ✓ Assess whether improvements can be made at Greenbank Leisure Centre with regards to water efficiency.

## 14.0 **Transport**

Transport around the district is a major contributor to poor air quality and atmospheric pollution aiding the affects of climate change. The use of cars and lorries used across the district has other affects such as noise, dust, congestion and contribution to respiratory complaints. Technology is continually evolving to improve the emissions our vehicles emit but it is down the consumer to make informed decisions to reduce carbon emissions.

The data for the transport is currently incomplete with new reporting systems implemented from April 2008 to ensure better accuracy in the new reporting year. The figures for the commuter miles and business mileage undertaken by officers in their own vehicles are currently derived from a survey and apportioned across the council. The numbers quoted are therefore potentially inaccurate at this time but will be review during the coming year. The fleet are more accurately accounted for with some figures for CO2 are estimated. The figures used for this year are as follows: -

<b>Transport Type</b>	<b>Tonnes CO2</b>
Fleet Transport	382.19
Officer Vehicle Use Petrol	26
Officer Vehicle Use Diesel	1
Commuter Mileage	119
<b>Total</b>	<b>528.19</b>

### **Our Progress**

1. Some progress on accounting for transport related CO2 has been undertaken – new process particularly for business miles has been implemented for April 2008
2. Car sharing is encouraged to reduce mileage, congestion and cost.
3. New systems for vehicle use and encouragement to use and purchase greener vehicles are being investigated.

### **Moving into the Future we will...**

- ✓ Install and continue to improve reporting mechanisms
- ✓ Strive to reduce our emissions through better corporate purchasing

- 
- ✓ Encourage the use and purchase of more efficient and minimal CO2 emitting vehicles through a number of new initiatives.

## 15.0 **Education**

Educating people as to what the key issues facing our environment are is key to the ongoing improvement of our environmental performance and overall quality of the environment in which we live and work.

The council is committed to providing general training to all staff and specialised training where necessary. In addition the EMAS manager meets with other authority representatives to discuss new ways to improve performance. In addition the council is part of a local business group working to improve business processes and performance.

The council also helps to educate young people and children through the activities of Rosliston Forestry Centres education and training program available at [http://www.roslistonforestrycentre.co.uk/education\\_info.html](http://www.roslistonforestrycentre.co.uk/education_info.html)

**In Conclusion...**

South Derbyshire District Council realises and understands that it needs to better manage its impact on the environment and improve on current performance levels where possible.

The council are keen to lead by example and become a leader in environmental performance management through the implementation and development of the EMAS system.

There are several areas on which we need to improve strategically, administratively and physically. Areas for improvement have been identified and through the EMAS scheme new initiatives to tackle these issues are in place and will be reported on in the next annual report.

In the meantime if you require any further information regarding the report or environmental management please contact Simon Mortimer on 01283 595945 or on [simon.mortimer@south-derbys.gov.uk](mailto:simon.mortimer@south-derbys.gov.uk)